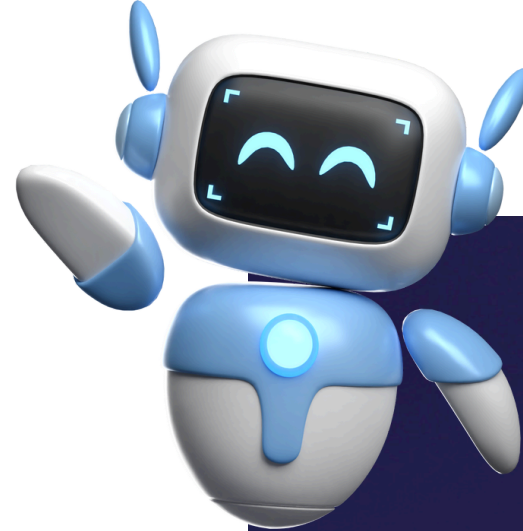


AI MACHINE LEARNING

Anubhav
PROGRAMMING INSTITUTE



5K+

Around India, we already
have over 5K+ AI
Machine Learning
students

About Anubhav Programming Institute

Anubhav Programming Institute was established in the year 2002. Since then Anubhav Programming Institute has earned reputation for providing highest quality computer education in Mumbai. So far we have trained and placed over 20,000+ students.

100+
Expert Trainers

50+
Placement Partners

Sharad Linge

CEO, Anubhav
Programming Institute

Anubhav
PROGRAMMING INSTITUTE



Why Choose Us

- Expert Faculty**
- Comprehensive Course Curriculum**
- Flexible Learning Options**
- Placement Assistance**
- Positive Reviews and Reputation**
- Certification Programs**
- Flexible timing**
- Industry Relevant Curriculum**

Learning Methodology



Theory



Practice

1

Theory and Practical Learning

Participating in discussion

2



One-on-One Mentoring Sessions

3



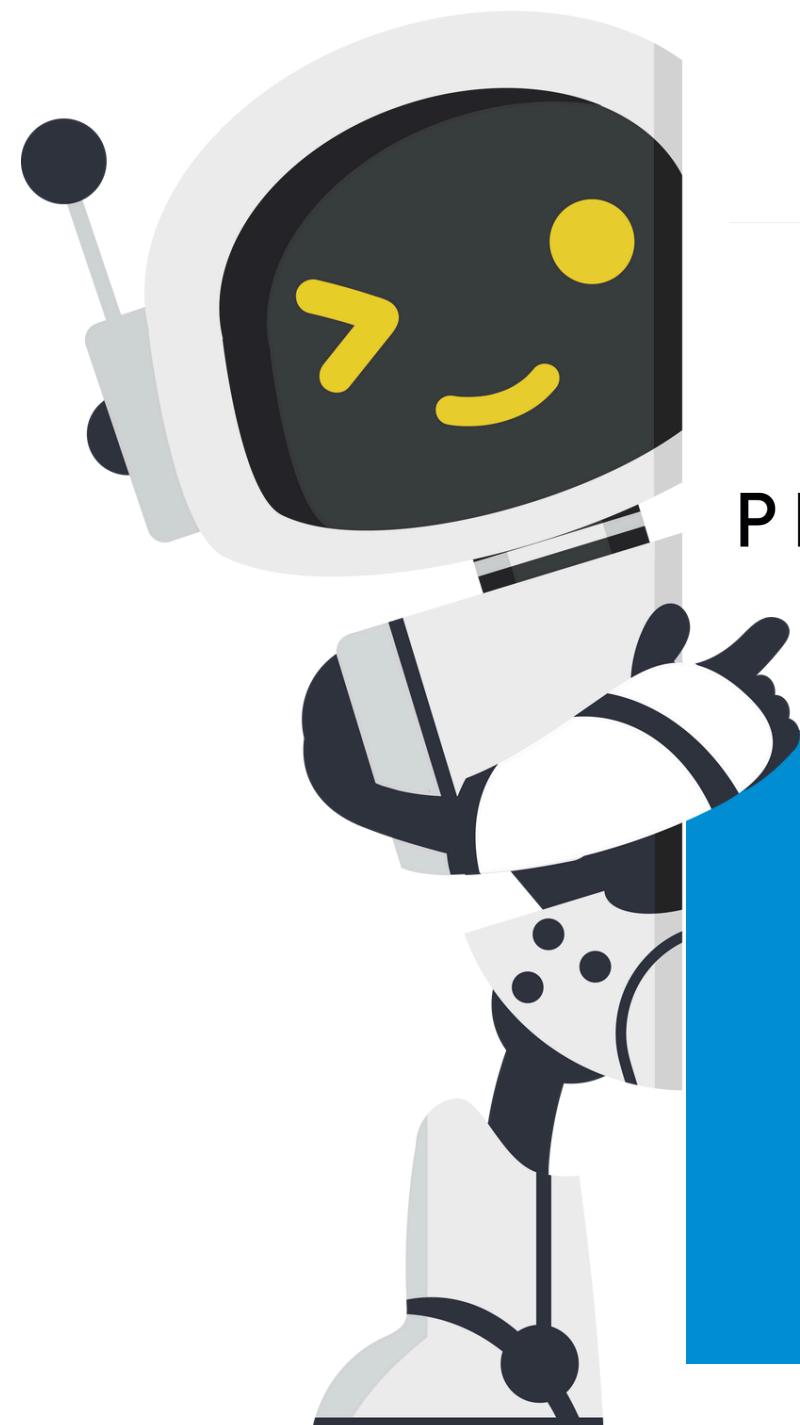
**Industry relevant assignments
& live projects**

4



**Industry relevant assignments
& live projects**

We are offering

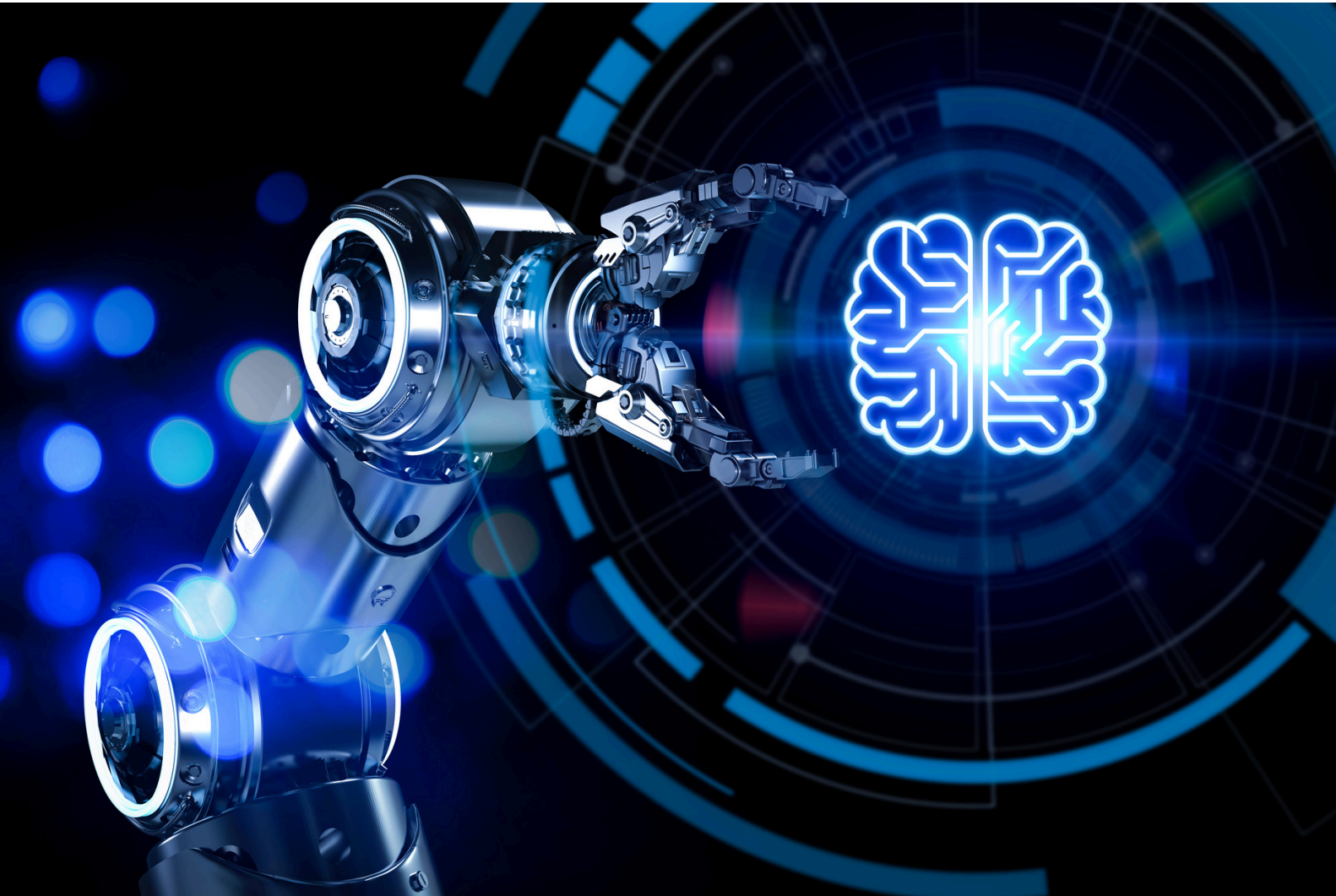


Anubhav
PROGRAMMING INSTITUTE

Anubhav's AI - ML

Will receive 1
certificate from
Anubhav





ABOUT AI - ML

Artificial Intelligence (AI) and Machine Learning (ML) represent cutting-edge technologies that revolutionize industries and transform the way we interact with technology. AI involves creating systems that can perform tasks that typically require human intelligence, while ML focuses on developing algorithms that enable computers to learn from data and make predictions or decisions without explicit programming.

We offer comprehensive courses in AI and ML designed to equip students with the skills and knowledge needed to thrive in this dynamic field.

TARGET AUDIENCE

Computer Science and Engineering Students

Students with a Strong Background in Mathematics and Statistics

Programming students

Working Professionals: such as software engineers, data analysts, business analysts, and IT professionals

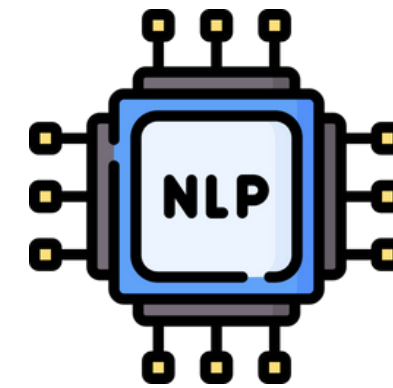
Course Overview



ADV PYTHON



MACHINE LEARNING



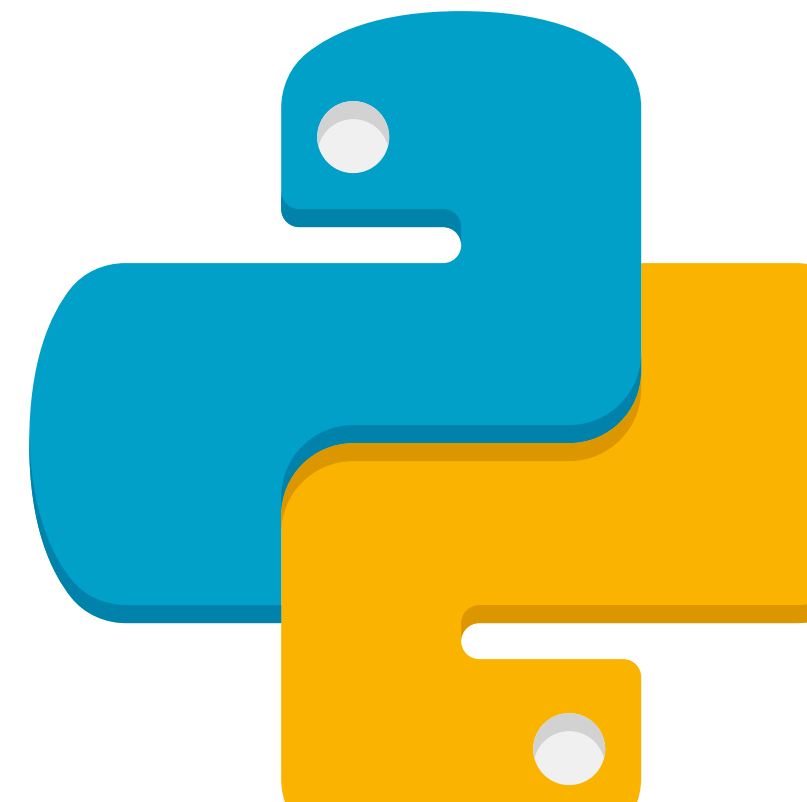
NLP



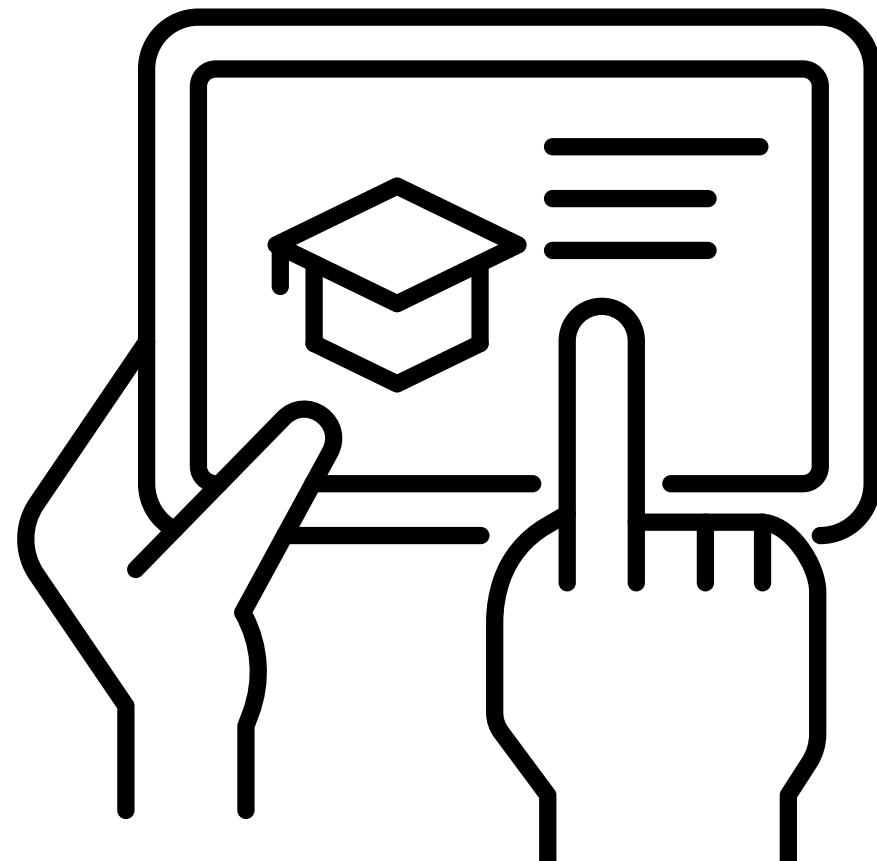
DEEP LEARNING

MODULE 1

PYTHON CORE AND ADVANCED



COURSE SYLLABUS





INTRODUCTION TO PYTHON



PYTHON SYNTAX



DATA ANALYSIS USING PYTHON



NUMERICAL PYTHON



DATA MANIPULATION WITH PANDAS



DATA VISUALIZATION



STRING MANIPULATION



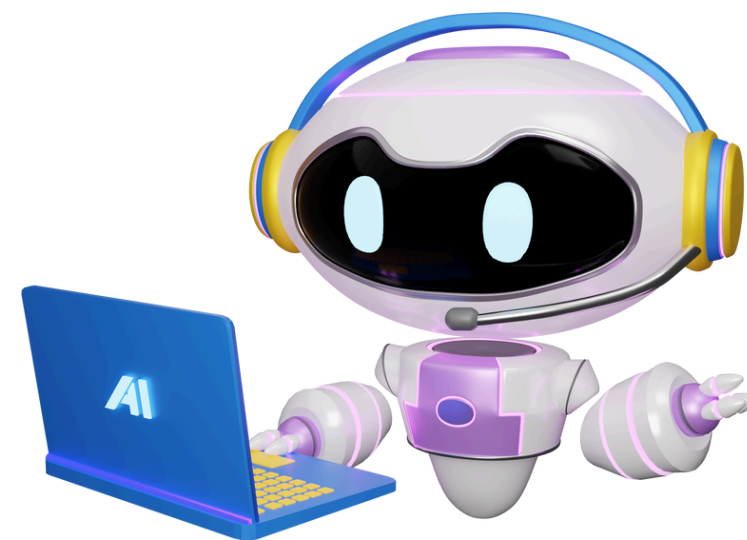
FILE HANDLING



OPERATIONS IN NUMPY



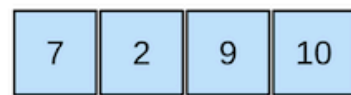
DESCRIPTIVE STATISTICS



```
python-syntax-test - E:/python-programs/python-syntax-test
File Edit Format Run Options Windows Help
x = 1
#The initial value of x is 1.
if x>0:
    print("These are two comments") #Print a string.
Ln: 3 Col: 0
```

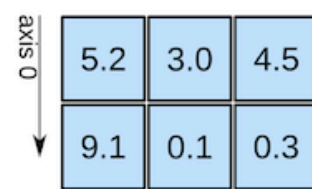
PYTHON SYNTAX

1D array



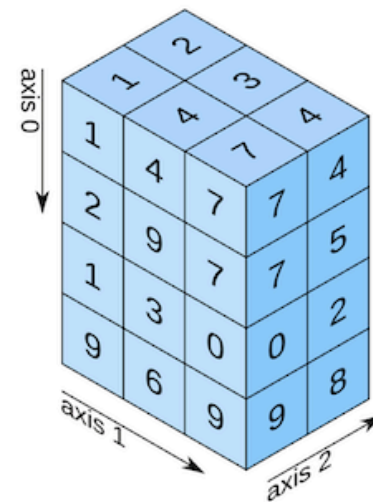
shape: (4,)

2D array

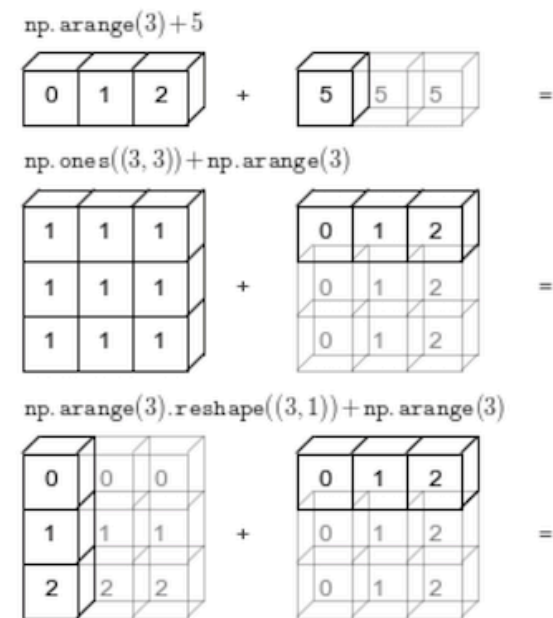


shape: (2, 3)

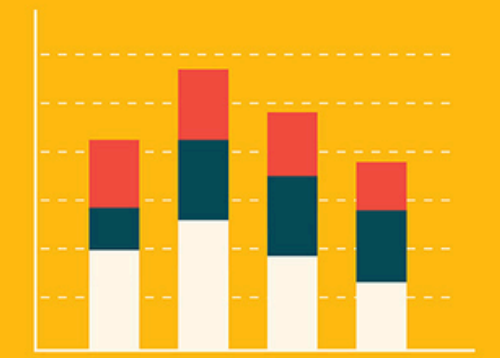
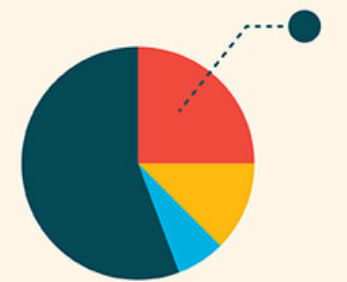
3D array



shape: (4, 3, 2)



NUMERICAL PYTHON



DATA VISUALIZATION

MODULE 2

MACHINE LEARNING





REGRESSION TECHNIQUES



LINEAR REGRESSION



MULTIPLE LINEAR REGRESSION



**EVALUATING THE METRICS OF
REGRESSION TECHNIQUES**



POLYNOMIAL REGRESSION



REGULARIZATION TECHNIQUES



CAPSTONE PROJECT



LOGISTIC REGRESSION



NAIVE BAYES



DECISION TREES



**SUPPORT VECTOR
MACHINES**



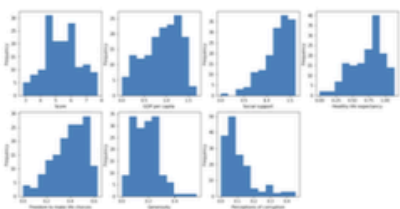
**ENSEMBLE METHODS IN
TREE-BASED MODELS**



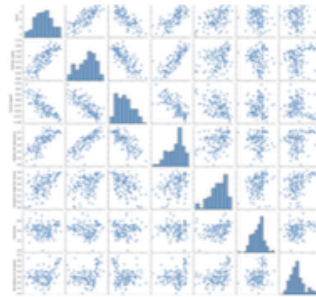
Machine Learning Algorithms - Regression

Exploratory Data Analysis (EDA)

Histogram: `df.plot(kind = 'hist')`



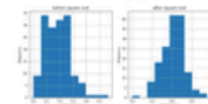
Pairplot: `sns.pairplot()`



Feature Engineering

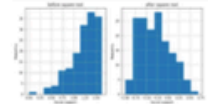
Log Transform

`np.log()`

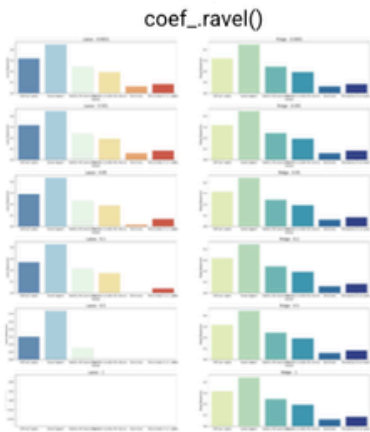


Square Root Transform

`np.sqrt()`

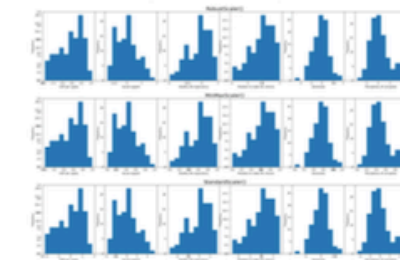


Feature Importance
`coef_.ravel()`



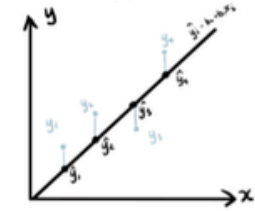
Feature Scaling

`StandardScaler()`, `RobustScaler()`, `MinMaxScaler()`

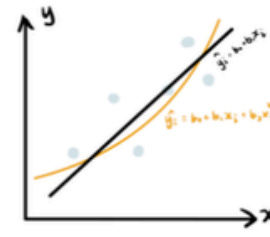


Linear Regression

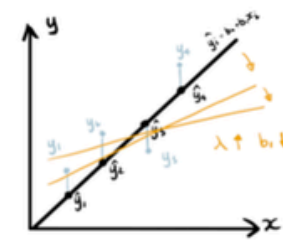
$$RSS = \sum_{i=1}^n (y_i - \hat{y}_i)^2$$



Polynomial Regression



Regression with Regularization Techniques



Lasso Regression

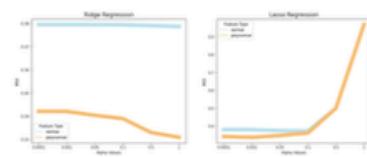
$$\sum_{i=1}^n (y_i - \hat{y}_i)^2 + \lambda |b|$$

Ridge Regression

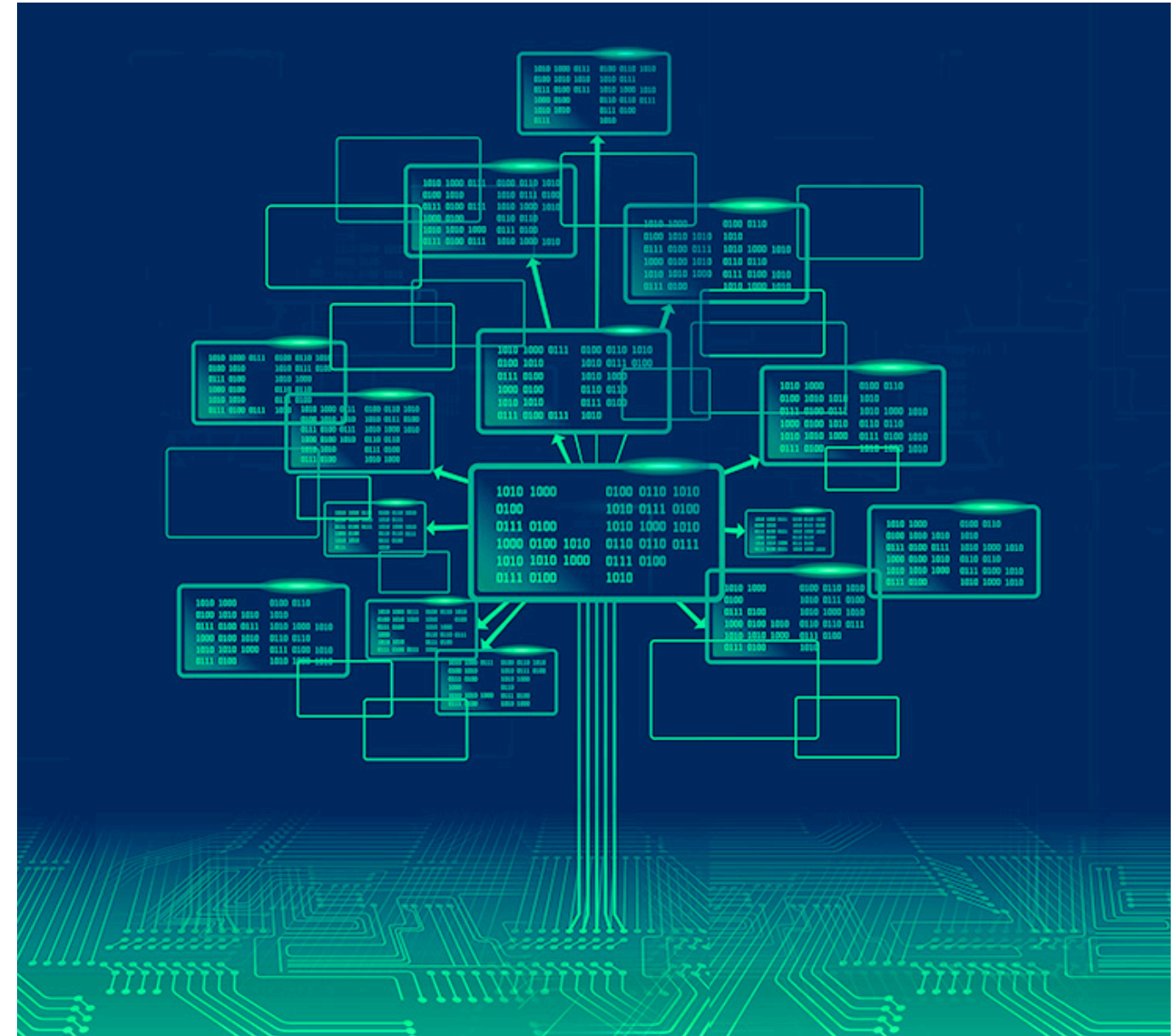
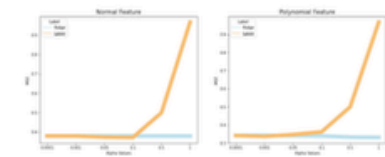
$$\sum_{i=1}^n (y_i - \hat{y}_i)^2 + \lambda (b_i)^2$$

Model Evaluation

Ridge vs Lasso

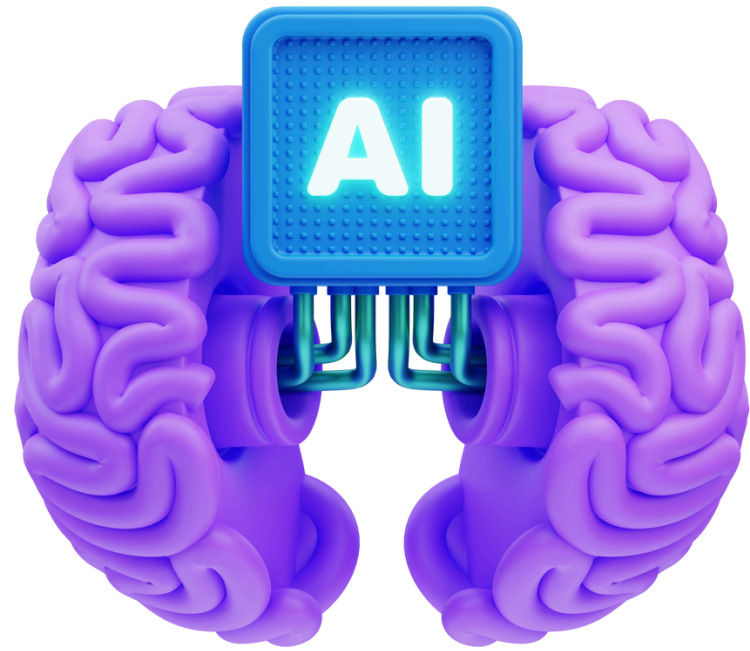


Normal vs. Polynomial

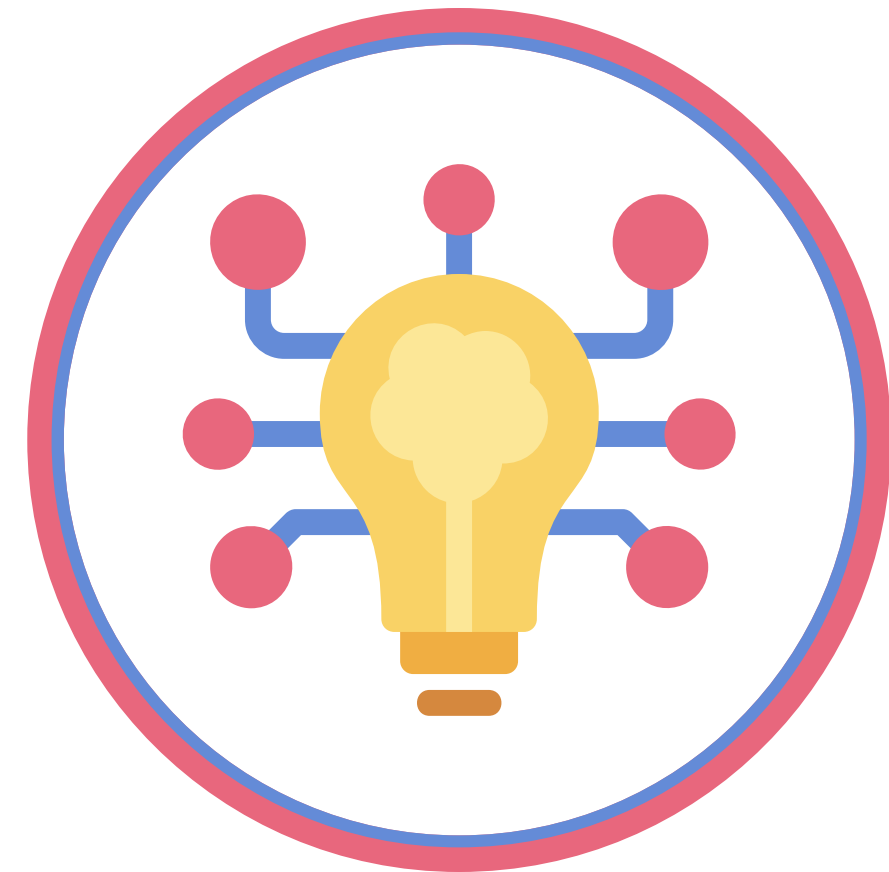


DECISION TREES

MODULE 3



AI & DEEP LEARNING





INTRODUCTION TO NEURAL NETWORKS



TENSORFLOW 2.0



ARTIFICIAL NEURAL NETWORK WITH TENSORFLOW



INTRODUCING GOOGLE COLAB



TENSORFLOW GRAPHS



WEIGHT INITIALIZATION



OPTIMIZATION FUNCTIONS



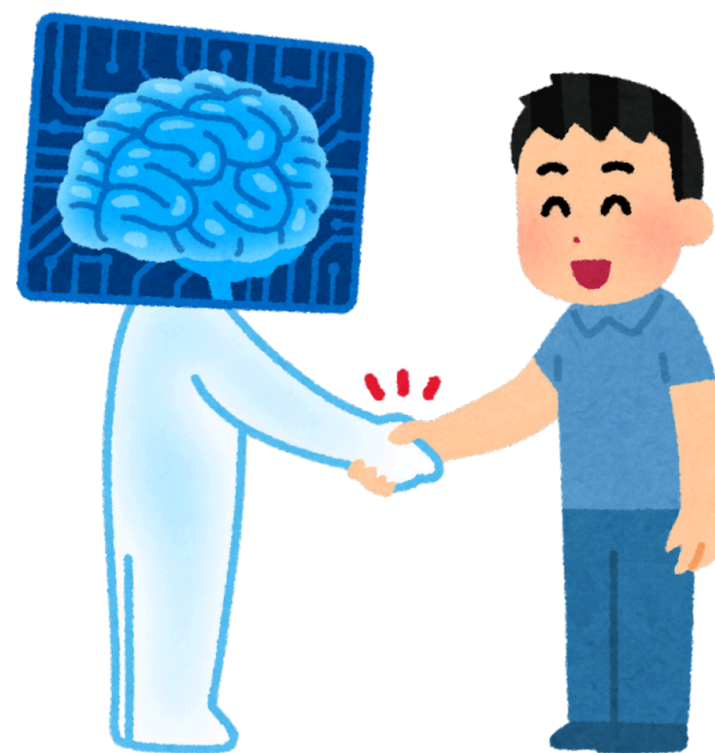
CROSS ENTROPY

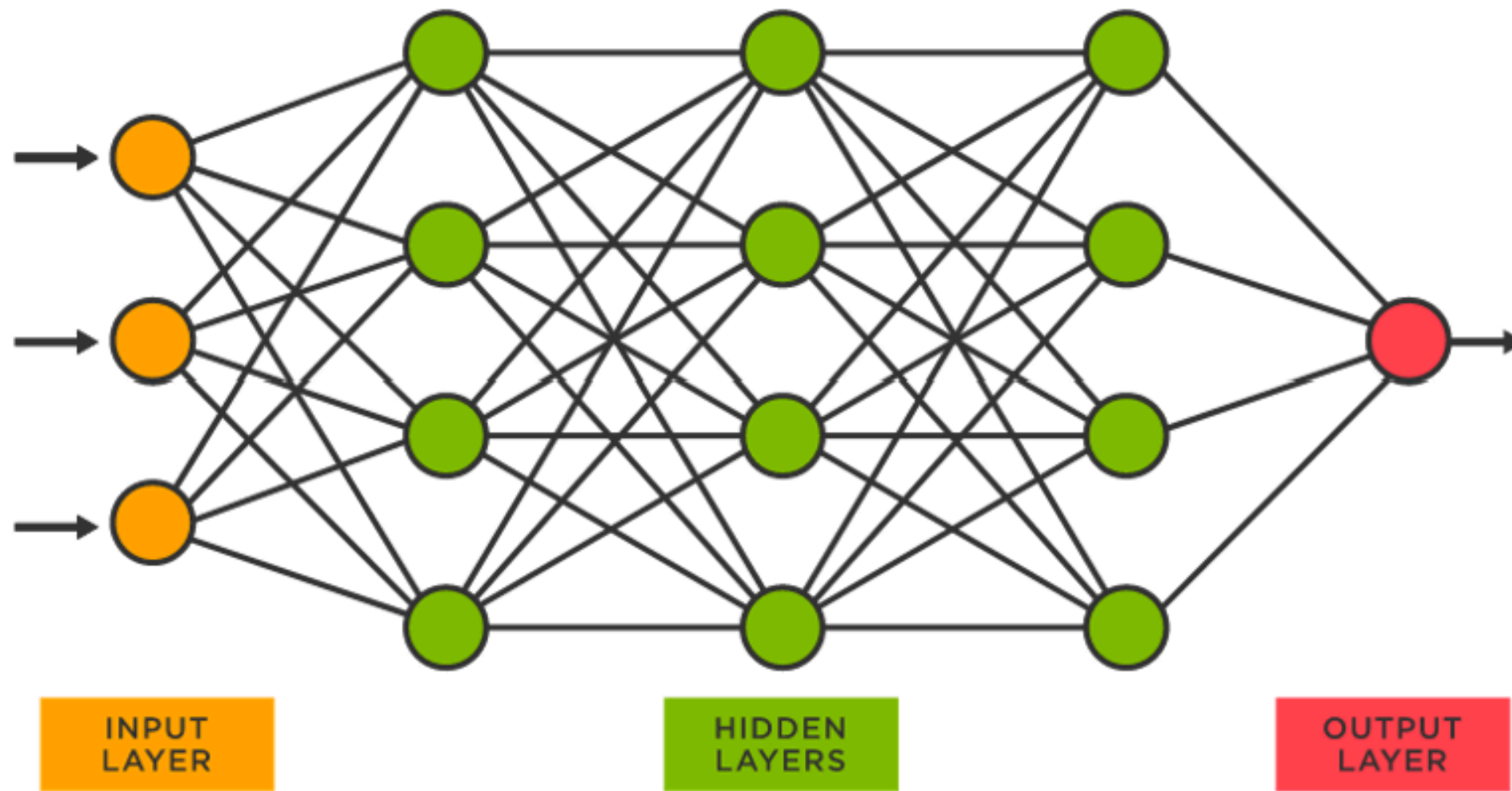


NEURAL NETWORK FOR CLASSIFICATION



EVALUATING THE ANN





NEURAL NETWORKS

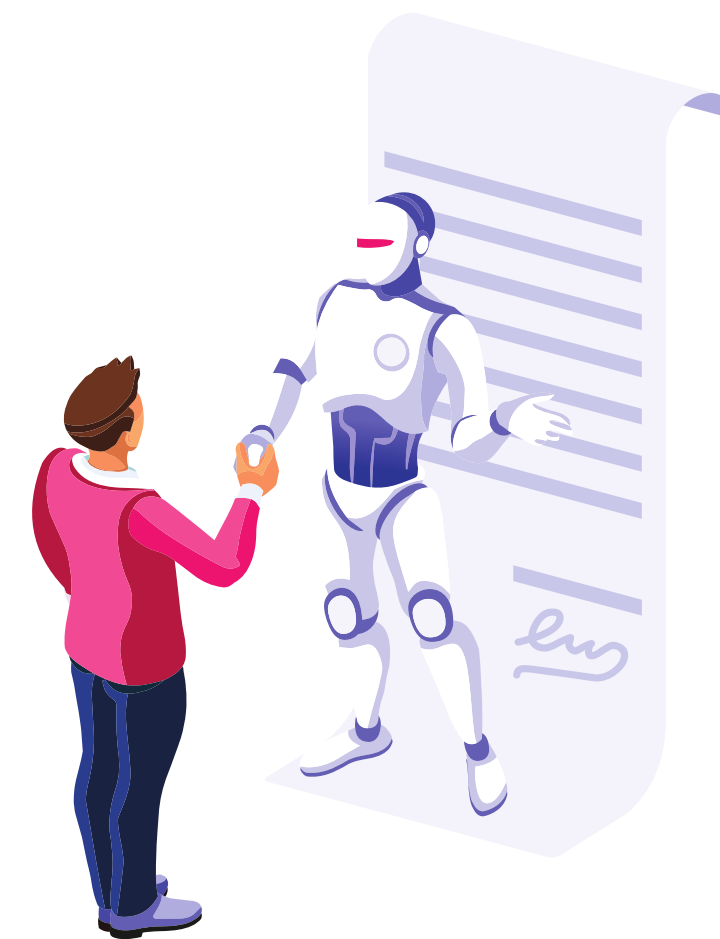
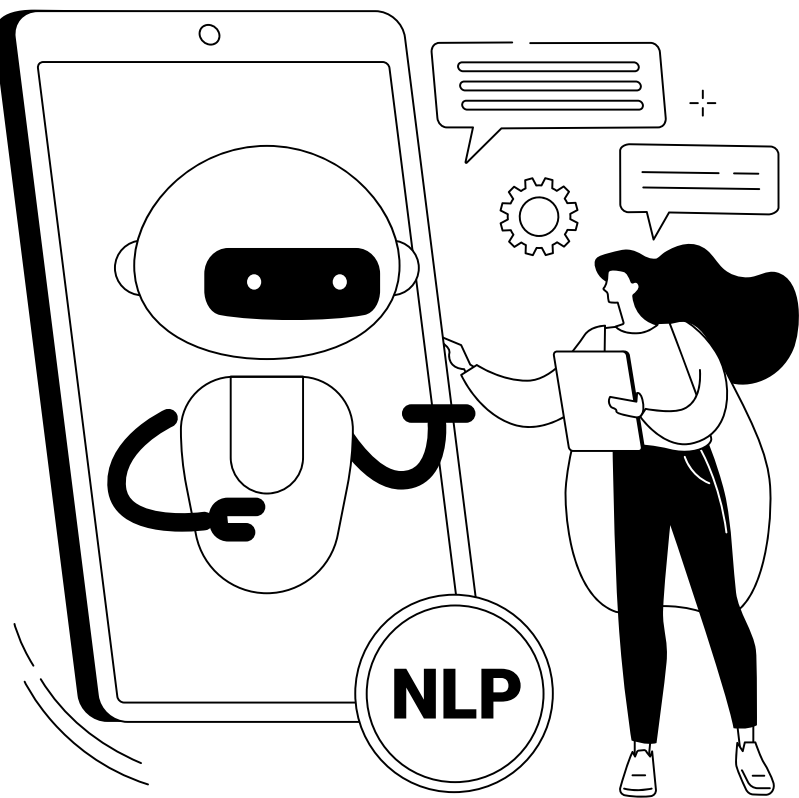


GOOGLE COLAB

MODULE 4

NATURAL LANGUAGE

PROCESSING (NLP)





INTRODUCTION TO NLP



STATISTICAL NLP TECHNIQUES



NLP TOKENIZATION



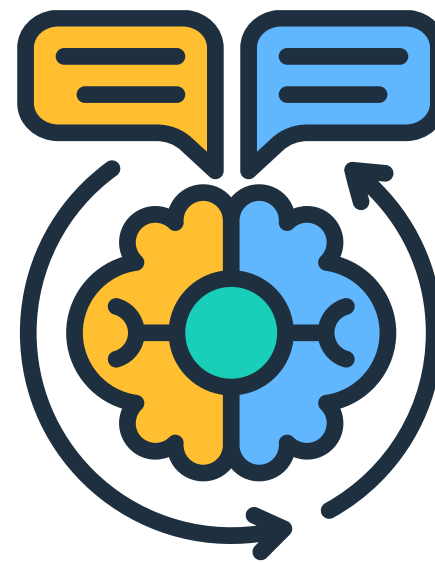
WORD EMBEDDING



NAMED ENTITY RECOGNITION(NER)



SEQUENTIAL MODELS



SENTIMENT ANALYSIS



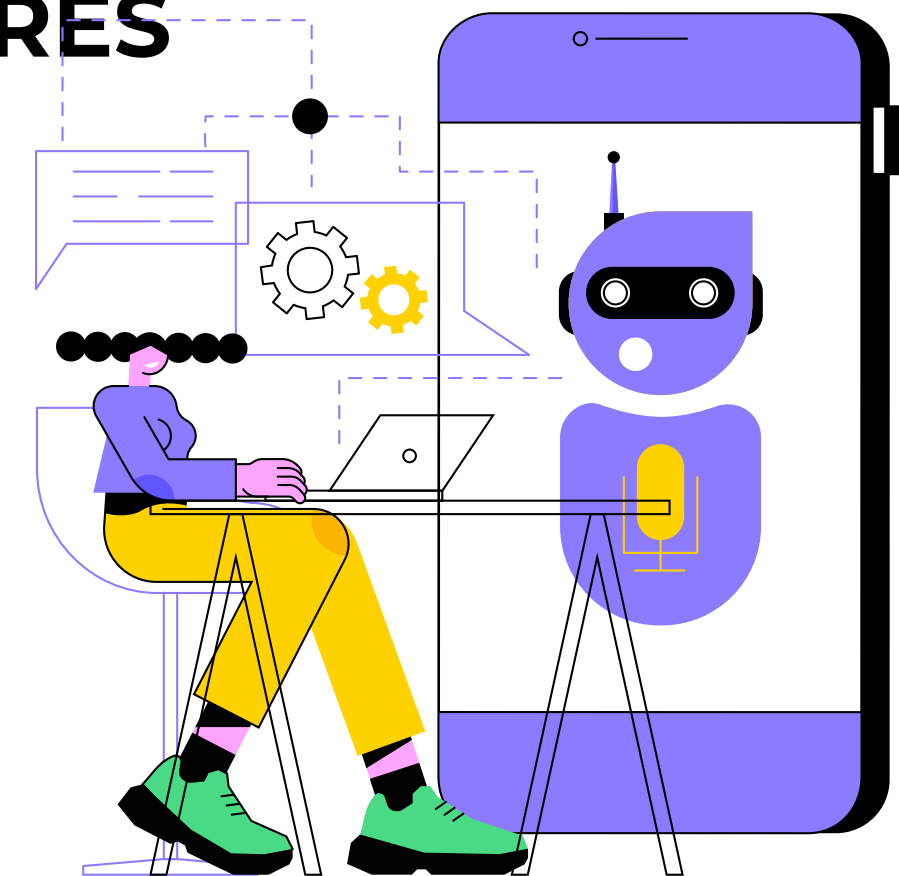
MACHINE TRANSLATION



CHATBOT

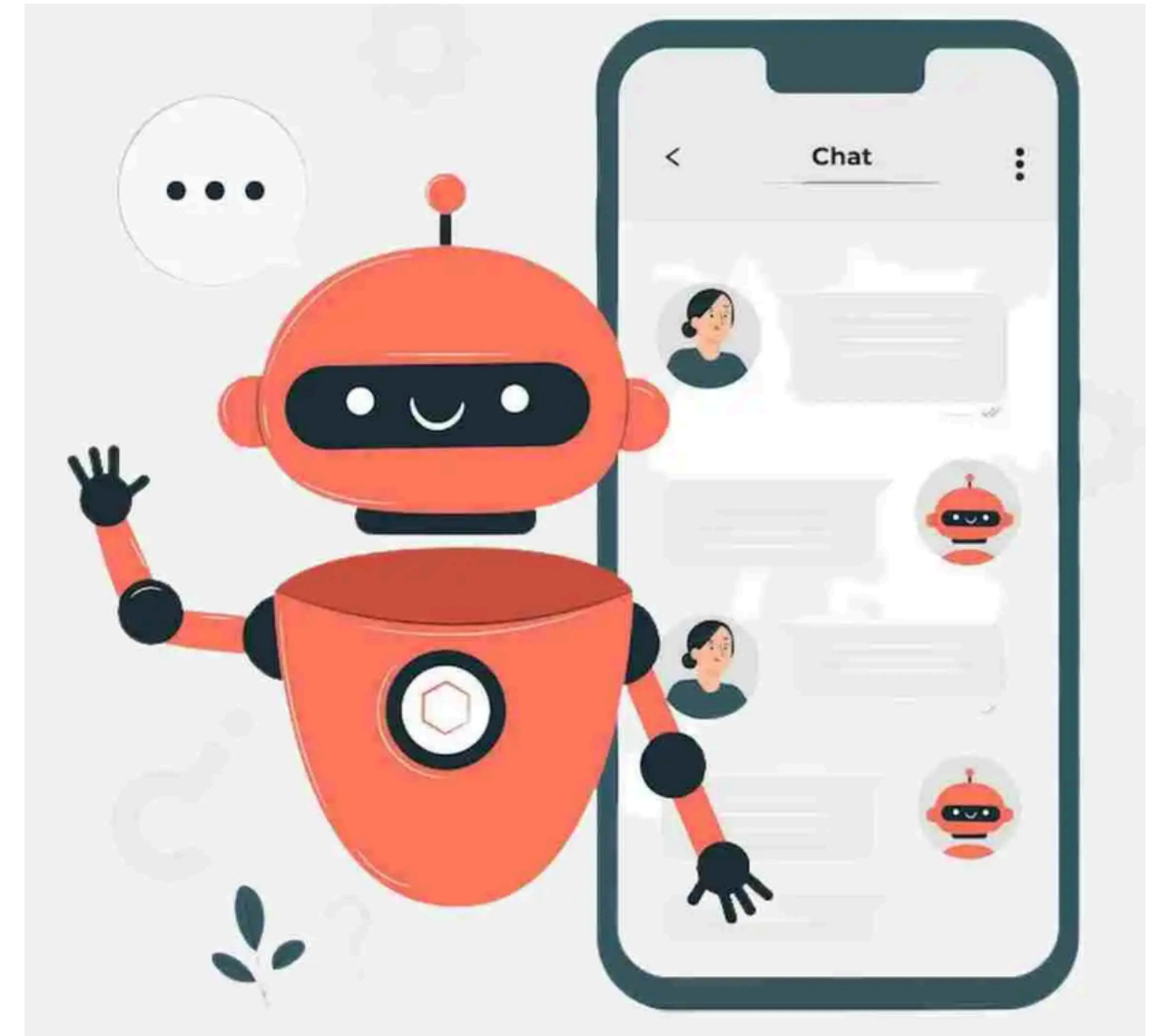


**ADVANCED LSTM
STRUCTURES**





NPL TECHNIQUES



CHATBOT

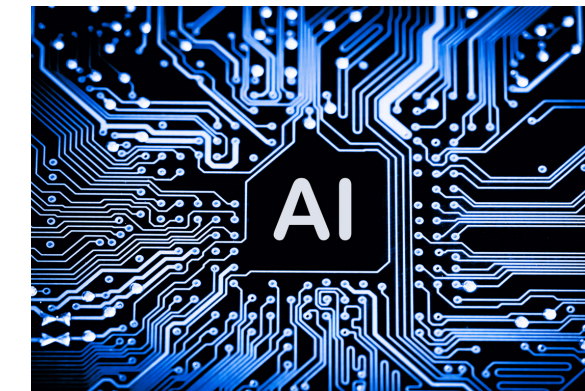
JOB OPPORTUNITY



**DATA
SCIENTIST**



**AI
RESEARCH
SCIENTIST**



**AI
SPECIALIST**



**MACHINE
LEARNING
ENGINEER**



**AI PRODUCT
MANAGER**



**AI
CONSULTANT**



**NLP
ENGINEER**



**BUSINESS
INTELLIGENCE
ANALYST**



FREELANCER

FUTURE SCOPE

AI - ML AVG SALARY IN THE VARIOUS COUNTRIES

COUNTRY

SALARY

TOP CITIES

INDIA

₹12,50,00

BANGALORE

CHENNAI

USA

\$37,087

SEATTLE

BOSTON

UK

£70,000

CAMBRIDGE

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ABHISHEK SUNIL KUMAR DUBEY

has successfully completed the program requirements of
AI MACHINE LEARNING
AI & ML with Grade A+



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Tel : 9167243835 / 022-25218957
Web : www.anubhavcomputer.com

2/17/2023
Date

CHEMBUR
Branch


Centre Head




Managing Director

AI Machine Learning

FEES STRUCTURE

AI - ML
2 MONTHS INSTALLMENT
Rs 40,000 /-

COURSE DURATION
6 M

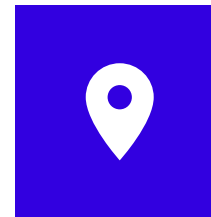
AI - ML
FULL PAYMENT
Rs 35,000 /-





Contact Us

Chembur Branch



Class Location

Shop No 1, Ground Floor, Road No. 3, opposite Balaji Book, near Natural Dairy, Chembur West, Chembur, Mumbai, Maharashtra 400071



Email

chembur@anubhavcomputer.com



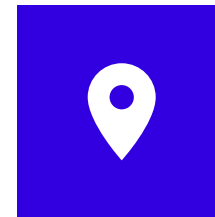
Phone

9167243839 / 9321923795



Contact Us

Govandi Branch



Class Location

Sankheswar Parshwanath Jain Derasar, opposite post office, near Bank of Baroda, Below SWAMI RAMKRISHNA PARAMHANS (SRP) College.



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9167243836 / 9167243838